



AMD0859.TXT
SEQUENCE LISTING

<110> LYOW, Choong-Chin
<120> Method for the Detection of Hyperlipidemia Related Gene Transcripts in Blood
<130> 4231/2055i
<140> 10/812,777
<141> 2004-03-30

<150> US 10/802,875
<151> 2004-03-12

<150> US 10/601,518
<151> 2003-06-20

<150> US 10/268,730
<151> 2002-10-09

<150> US 10/085,783
<151> 2002-02-28

<150> US 09/477,148
<151> 2000-01-04

<150> US 60/271,955
<151> 2001-02-28

<150> US 60/305,340
<151> 2001-07-13

<150> US 60/275,017
<151> 2001-03-12

<150> US 60/115,125
<151> 1999-01-06

<160> 112
<170> PatentIn version 3.2

<210> 1
<211> 110
<212> DNA
<213> Human

<400> 1
acacaacgta acaataacat atttagccaa tgtagtagac tgctatataa tacattagag 60
tgtcaattca ttccggttac agccccattg ggtgtcaaatt tttttttgtt 110

<210> 2
<211> 530
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (319)..(319)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (324)..(325)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (328)..(329)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (342)..(342)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (345)..(345)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (366)..(366)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (377)..(377)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (382)..(382)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (391)..(391)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (395)..(395)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (400)..(400)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (412)..(413)

<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

AMD0859.TXT

<220>
 <221> misc_feature
 <222> (516)..(516)
 <223> n is a, c, g, or t

<400> 2
 gcctgttcta tacagnttnt aaatntcatt tcagatcntn tntntgtgat aatgaatgct 60
 gttnnntagn natcctatat natgtncgna cacatcctaa agcataggat gaaaaantga 120
 nanccttagg atttngagca cantgccttt acctgaatat atacagcaca gttctgnant 180
 ncctggcgtg tgnnactgga gatctctann aaaangnata nagtgggngg gcncntntggc 240
 gcntgccggt nnnncctaaa ttttccccc gngnnggagg ccngtcacct gnncccatng 300
 cgntctngac cngcctgtna acgnntanng gagccttagt cncctnctaaa aacacaaaat 360
 tagccnggca tgggggntgg gncctttagt ntctnagctn cttgggaggc tnngccagga 420
 antncncttg aanccgggna gnggggtggcc tnaagtttgn ggnaaggcca ntgatcaccg 480
 ccccttcccc tccangcccn gggngaaggg atttngnact tccgttttgg 530

<210> 3
 <211> 215
 <212> DNA
 <213> Human

<400> 3
 cggcacgagg atcaatttgc cttggaagaa caaaaggaaa gtctggaaat gcagaaagta 60
 tggatgctga accacataac agcagatggc attgctgtga agtatactgg atggaataca 120
 ttcaagcgtt aatatttaat tctttttgtg gaaggtcaca caattaaaat ttaattgggc 180
 atggaggctt aggacggggt aaaaaagtct ttaga 215

<210> 4
 <211> 129
 <212> DNA
 <213> Human

<400> 4
 gtttcttttt cctaaaacgg ttttatTTaa ctcaatgtgt caaagttttt ttttaataat 60
 cccaagaggg atgaagccgt gtccacaggg atatatacat cattatgggt cccatctttc 120
 atacatgaa 129

<210> 5
 <211> 361
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (13)..(14)

```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(21)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>

```


<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (283)..(283)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (288)..(288)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (299)..(299)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (318)..(318)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (327)..(327)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (334)..(334)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (348)..(348)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (359)..(360)
 <223> n is a, c, g, or t

<400> 5
 gggggccttt tttnnancggn nccgnnnncc cttcctggga anttttgggc cnttntntna 60
 aangngnct tncngnaaa tgggtttttt nagggggctg gncaaagggt ttttctntaa 120
 tgggatnngg ccggcathtt aaaaaaaccc gctttggcct ttttgctana tnggaaaaaa 180
 tttttttaaa angcctaaga canggttttc cttcatatg ccaaactttc cctaacattt 240
 ggnnttttng gnggggcagg gggggatttt taaaccggat ttngggtnaa aaaaaatcng 300
 gggggaattt ttgggganaa aaccttnggg gggnccttct ttgaaaanaa aggggtgggn 360
 g 361

<210> 6
 <211> 839
 <212> DNA
 <213> Human

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (585)..(585)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (606)..(606)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (644)..(644)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (671)..(671)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (693)..(693)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (695)..(695)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (714)..(714)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (742)..(742)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (744)..(744)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (756)..(756)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (765)..(765)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (768)..(768)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (808)..(808)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (815)..(815)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (823)..(823)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (830)..(830)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (837)..(837)

<223> n is a, c, g, or t

<400> 6

ctcgtgccga attcggcacg agcaaagtac ctggacttta tggaatcctt ctatacttca 60

ttgtcaatca tttattgggt ctaaaaagga tcggacaatg tgctatttca gggaagccaa 120

tgttttggag taaaatgcac aaataatttc tcttgccttg caaacacatt ttttttctg 180

tcattgcaat gtgcacaaag ggccacgagg atctacaaga aagcctgcct tattctgacc 240

aggagtgggg agctgacaag aggcttcaca gagcaggtga tgtttagaga ggaatgtctc 300

ccatttccta gtagcctgtg aggctctcaa aaccgggaat caagtttccc ttctgaactc 360

agttctcaat cgtgtaggga taggggtccc aggtgtgcct ctatgtgtag aggctctatt 420

ataccctgga tacacattga tatgcatgtg caatgctgga atcaccagcc cccangtcct 480

cctcccaa at gtgcatgttt tttagcccat gtcacattta attttttttt tcaattgacg 540

ggttttttag gcaaantnc caaaacatcc cccactttgc catantcccc tgtcattcca 600

tattgncttg cactgacatg attcactcat tgatattgcc tgtngcgttc ctatggcctt 660

tgagtttgca nactggggtt gggggaaacc cangnaaaaa aacctctttg aaanggggaa 720

ccccccaat ggtgggggaa ananaactgg actttntttg ggagncnga atttgctctt 780

gaccaggcag ggacctggga ccctgaangc ttttntaatc ttnggggccn gaaaatntg 839

<210> 7
 <211> 118
 <212> DNA
 <213> Human

<400> 7
 atgggaaagt gtgtaagatt tagaaaaagc attaactatt agtaaaacttt atcttaagct 60
 ctaacctttg attaggtccc acaaaaatta ggtgatatgc aatttctaata ttagggcc 118

<210> 8
 <211> 197
 <212> DNA
 <213> Human

<400> 8
 gttgcagtga gccgagatca taccactgca ctccagccta ggcaacagag cgagactcgg 60
 tcaaaagaaa aaaaaaaagg ggagctgggc gtgggtacta atgccgtaat ccagggcctt 120
 tgggaatccc aggcaagggtg gccttttaggg caaggagttc ggaacctccc tgctaacagg 180
 taaacccccct ttccctt 197

<210> 9
 <211> 250
 <212> DNA
 <213> Human

<400> 9
 gagaccaagg ccgccccgct ctggtctcag accagttgtg ctgctcttgc tctggctcag 60
 ctggtgtggg gcgcaggcgg gaaacgagac ctctagcatc tggctgaagg ctctgccaag 120
 ctctctttca gggctgcagt ctgcctgcct gcatataccg acttggccag aactgctgc 180
 taaattccag ggactctttc tcccctcctc tgctctccag ccaatccttg aggatttaat 240
 aactggaagg 250

<210> 10
 <211> 680
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (433)..(433)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (600)..(600)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (615)..(615)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (626)..(626)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (645)..(645)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (661)..(661)
 <223> n is a, c, g, or t

<400> 10
 caccaaagaa gcaagagggc tttcttttgt ttctggggac aataactaac tttaatttgc 60
 tcttcaagaa gaaggaagct gggatatatag gggaatggca gaagtgctcg cagatgaacc 120
 atgaggagca tggcttttaa gaacatgctg agaaggaagc aacacagact ccatcactgg 180
 gggaagcacc tgaatagagc actggtaaag gccagtctgt ggacctgagg ccagaggaga 240
 tgccaggggt ccagatttca tggcccacag aaacggaact gatcatattt ggttgctggc 300
 cagtgttcca tagaccaaga aggctggtag caagtataga ttcctctaca tagcttgaca 360
 ggagaagaga aaggggaatg tagcacacag gatgcagcag gtgaataaga aaacctcctt 420
 ttcccagggt ggngacagtg agtgatctac agtgatactc aaaagattgt gattggtgtg 480
 ggaattcctg tctcaatatg caatctgcc aaaaaacact gtgatgggtt cctgtaaagt 540
 aacctctttt tcttatctct aatttcacaa gactcttaaa tgagaggggg gggagaaagn 600
 gttctttctc actcncctaa aactgnnggt ctgcctggag aaaanctaca tctgcacaga 660
 naatgctggt tagccaggaa 680

<210> 11
 <211> 318
 <212> DNA
 <213> Human

<400> 11
 cctgcagagt actccatgga aacaattgcc gagcacgtgc tcgcaatttg ccgagcacgg 60
 tccggtttga actcctagac taagactagg taggtgatac ataccttctt cccaccaagt 120
 actcacgac caaactatga attttagatt cggatcaaac gaggattgat ccgagggacc 180
 aacgttgtga taaatcttac gtcgtcttat atattaagtt tttgtggagg atcggataag 240
 tctatagtgt ttgtcacaga tagtcccgt aacacaccca gaccatagga gtcgctctcc 300
 ggaccgcggt ctaatggg 318

<210> 12
 <211> 155
 <212> DNA
 <213> Human

<400> 12
 tctcacattg gacatactca aaattcactt ataatcttca caccaccaa aacttaccca 60
 tatcaaatta taaaccacc cacattactt aaaatttttt acatttccca ataaaaaacc 120
 caaataaaca aaaacttcca atctccattht aaaat 155

<210> 13
 <211> 125
 <212> DNA
 <213> Human

<400> 13
 aataaaca aa catgccctct aatatatgaa ttcacacac aacacgcaca ctgtccccac 60
 aaacaccttt ttggtgtcaa gaagaaaaag actagcttca ctgaacagag aaatgctgga 120
 cagtg 125

<210> 14
 <211> 168
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (37)..(38)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (56)..(57)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (127)..(127)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (155)..(155)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (157)..(157)
 <223> n is a, c, g, or t

<400> 14
 ggcccntggg ggggnagggc cttttcgggg ccgggggnngg gcccccnttt ggcccnnggg 60
 gggtttcccg gggaacccaa ccctttaagg ggtngggggg aatttcccc caaaaaagg 120
 gaaaaanttt tccggggggc ccacccggga agggntnccg gggaaggg 168

<210> 15
 <211> 438
 <212> DNA
 <213> Human

<400> 15
 aaaaaacttc tttatagtcc ttatatat ttaattgttt atgttagggg aagctataga 60
 ggaacaaatt tgggatagaa atataaggct gggattacag gcatgagcca ccaagcccgg 120
 cccacatttc catttttaaat atatactgtg ctttacaat attataatat gttttaaaat 180
 atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaa ataagcattc 240
 tttgaatata tatttagttt tttaatgtgg taggaaaatc aaagccagag ggagtagaaa 300
 caaaatttgt gattttctaa atacttcttg gctgcaggga agaaaccacg tcccaggcga 360
 agtcctacct aatttgatga taaaattaca tggaagggat tcttgttggc atgaggacct 420
 accaagatgg tcaacaga 438

<210> 16
 <211> 235
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (39)..(39)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (52)..(52)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (69)..(69)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (154)..(154)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (207)..(207)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (217)..(217)
 <223> n is a, c, g, or t

<400> 16	
aaggncctttt ccggnccggc ccggccccc ttggcccang ggggttnccg gnaaaccacc	60
ctttaaggnt tgggggaatt ccccaaaaa aggaaaaaat tttcccgggg gcccaaccgg	120
aaagggggaa ggcccccaaa accggggggg gggnaaaaag gtgggtttcc ccctttttcc	180
aattcccaaa accaatttcc aaaaggnaaa ccaaccnttc ccaaaatggg aaagg	235

<210> 17
 <211> 294
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (18)..(19)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (47)..(47)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (66)..(66)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (76)..(76)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (82)..(82)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (108)..(108)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (133)..(133)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (162)..(162)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (260)..(260)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (276)..(276)
 <223> n is a, c, g, or t

<400> 17
 aaaccaaccc tttaaggntt ggggggnaat tcccccaaa aaaaggnaaa aattttttcc 60
 ggggggncaa accggnaaag gntttgggaa aaccaaattt tttttgncc caaccccccc 120
 caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc 180
 aaggggggaa aattttttccg ggggtgggtn ggggggaacca atttaagggg ggggcccccg 240
 ggggggttcc ccttgggcn ttttccctt tggtgnaaaa aaaaaaaccc ctg 294

<210> 18
 <211> 453
 <212> DNA

<213> Human

<400> 18

```

gtagaatata ggggtgatact ggagatctac tgcgacctag accatgatac ataaccacac      60
aagtttaatc cctggggttct aactaccctt actgtcactt agcttaacct gcctccaatc      120
ctgtacttga actctaaaac tgttggagaa actcagtgct taccccaaca gattcatttc      180
aaatagctgt aaaaggatatg ttctactccag aagaccagag ttgcttcttt tgaacttctc      240
attccttggg cctaggaacc ctcatcacc tcacccaac gtcaaccag atcttctctt      300
ccataaacag cactccctca ggccccctgcc tgacacaggc atagactgtc atgttggatt      360
cacagacagg ctgtgctaga ggaaacctct ggggctcacc aggggccgtg ggatgggctt      420
ctggggcttc ttggagccca acttcttcat ggc                                     453

```

<210> 19

<211> 242

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (17)..(17)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (40)..(40)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (59)..(59)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (76)..(76)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (107)..(107)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (165)..(165)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (189)..(189)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (216)..(216)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (221)..(221)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (230)..(230)
 <223> n is a, c, g, or t

<400> 19
 gagtcagact gtaaggnacg aaccctcggg gtccccacgn tgttcccccc ggggtaacnt 60
 cggcccgggc ccgggnagcc cttcccgggc ttttcccccg ggggggnccc gggggggacc 120
 tttaggcggc accccaacaa caccaggccc tactttttcc aaggncgggg aagcccatgg 180
 gttctgggna acgggcaatg cgggcttgca acgggnggaa naaaaacagn cccaaaagaa 240
 tg 242

<210> 20
 <211> 181
 <212> DNA
 <213> Human

<400> 20
 gtttgtttgt ttttgagatg aatctcactc tgtcgcccag gctggaatgc agtggtgtga 60
 tctcagctca ctgcaacctc cacctctcag gagaattgct gaacctggga ggcggagggt 120
 gcagggagct gagattgcgc cactgccctc catcctgggc gacagagcaa gaacctgtct 180
 c 181

<210> 21
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (97)..(97)
 <223> n is a, c, g, or t

<400> 21
 gcacaaggaa ggggtggncag atnttcnngc actggnaaaa ngcngctatg gtngtgaant 60
 tnccccnccn nttnanacna aanntngcac tcttggtgtc 100

<210> 22
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (52)..(53)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (56)..(56)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (77)..(77)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (85)..(85)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (89)..(89)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (96)..(96)
 <223> n is a, c, g, or t

<400> 22

cntgcgccat ttactgnagg tggacaagga tactatnaac aaagatgtgg cnnaangaga 60
 ataatggaag atagctntga ggatnaacnc tggtnaggg 100

<210> 23
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(29)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (37)..(38)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (46)..(46)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (49)..(49)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (65)..(65)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (72)..(72)
 <223> n is a, c, g, or t

<400> 23
 acaccttccc acttgcnnga aaggggnnng gccccnct tgggcnganc attaagcctt 60
 tttgnggctg cngcccctgt gcctggtgcc acaacaaatg 100

<210> 24
 <211> 227
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (91)..(91)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (109)..(109)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (157)..(157)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (177)..(177)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (199)..(199)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (207)..(207)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (211)..(211)
 <223> n is a, c, g, or t

<400> 24	
ccggncacca ccnttaaggt tgggggattt ccccaaaaaa ggaaaatttt cggcggccaa	60
cggaaggcc nttggggaaa aaaccaangg ncaaaccccc ccaaccacnc ggcccccccc	120
aaggggggtg ggaagagcc aaatttcttt gggaaanaac gcccccttgg ggaaaanaag	180
gcccaaccacc tttcaacanc cccaangcg nggaagccat ttcttgg	227

<210> 25
 <211> 306
 <212> DNA
 <213> Human

<400> 25
 tccaaaagta gagcagaggg atattttggt ctactgagcc acgaaaaaca cctgaattgt 60
 ttcgaccatg tgccttccca ggttgatgaa gacattgcta cacagtctgc agatcaggaa 120
 ggaagaattg tatgtgggag tttttaatgg tctcatttca ttggctataa ctcagttaca 180
 aggagaaata taactgcaga ggagctttga aaatttagtt cagctgaggg taaaggaaga 240
 agagacaaat tttgtcatca gctagtgatc tgccatacaa ggtgttccct taatatgtgt 300
 agaatg 306

<210> 26
 <211> 492
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (299)..(299)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (333)..(333)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (353)..(353)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (410)..(411)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (460)..(460)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (474)..(474)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (479)..(479)
 <223> n is a, c, g, or t

<400> 26

AMD0859.TXT

cggcttcggg ccaagcggtt ccagagtttg ccgaactgct gagcaagttc gctattctcc	60
agatcgcccta gccctttgcg ggcgaccacc acgatgtccc agcctgtcag gttgtcctga	120
ttgaggcgaa aggactcgcg gatttgacgc ttgatgcggt tgcgctcgac ggcgagcttg	180
acgctctttt tgccgatcac caaacctagg cggggatgat caagctgggt atcgcgcgct	240
agcagcagga cacttttgcc cgggagcttt accgcttggg gagtcgaaga ctgccttgna	300
ttgccgggga gtcagcagtc gctttttccc ggnccaagcc tcgaactcac cancctgtct	360
ggattaatta gacagcaaga cgcttgcggc ccctttggcg cgaacgaacn ncgaaaagga	420
cttgcgcggc ccgtttcttt ggggggcaa taccggggcn cggggaaaac ccgngggng	480
gccaaacccc cc	492

<210> 27
 <211> 500
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (348)..(348)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (422)..(422)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (435)..(435)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (476)..(476)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (490)..(490)
 <223> n is a, c, g, or t

<400> 27	
cgaagcgatg gaagcgcaag cttggtaggg gagcattccc acggcagaga aggtcgggcg	60
acgagccggg ctggagcggg gggaaaagca aatgtaggca taagtaacga caatgcgggc	120
gagaaccccc cacaccgaaa ggctaaggat tcctccgcta tgtcaatcaa cggaggggta	180
gtcgggtact aaggcgtag cgaaggcgaa ggcgccgatgt gaaggggggtt aatattcctc	240
cacttgccat gcgtgtgaat ccatgacgga gacgaagccg ggggtgctc ctgacggaag	300
tgggcgccag caggggcggc cttcggggcca aaccgaacct caggtcanac ttccaagaaa	360

agtggggtgaa acgccagcgc atggcaaccc gtaccgcaaa ccgacacagg tagccggggg 420
 anaacatcct aaggngctcg agagtacttt ctagagcggc cgcgggcccc atcgantttt 480
 ccacccgggn ggggtaccag 500

<210> 28
 <211> 231
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (74)..(74)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (138)..(138)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (174)..(174)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (176)..(176)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (211)..(211)
 <223> n is a, c, g, or t

<400> 28
 aagaaattcc gggcacgnag gcacgcccct ggtaattccc caggcgnact tctggggang 60
 gctggaaggc ttgnagggca gaaaagggat ccgcctttgg gaggaacca ggtaaggttt 120
 aagaaggaac ccaccctngg ggccaaacaa aaacttaaaa acccccccat ttcntncccc 180
 ccaaaaaaaaa aattttttaa aaaaattttt ngcccccggg ggcattgggg g 231

<210> 29
 <211> 109
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (1)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<400> 29
 nncgaacaat angctctggag ctcgtgcgnc ctgnagggtgc gacactagtg gatccaaaga 60
 attcggcacg agggattaca gtcgtgagcc actgcacctg gctgcaatt 109

<210> 30
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (3)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (32)..(33)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (49)..(50)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (67)..(67)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (69)..(69)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (76)..(76)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (78)..(78)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (87)..(87)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (89)..(89)
 <223> n is a, c, g, or t

<400> 30
 tcnnntntg gtntnggctn tccgagnggc annagagtgan tgcccgttnn tattgancac

cantcantng ttgccntntg atacccnana caaaattgaa

100

<210> 31
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (96)..(96)
 <223> n is a, c, g, or t

<400> 31
 tcggg'gcggg anccctttac ctgtcnttac gatgcgcaag tagatnccng atttngtccn 60
 ganggtcggn aanttaggnt tccagcctgc gncacngcca 100

<210> 32
 <211> 104
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (63)..(64)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (67)..(67)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (73)..(73)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (75)..(78)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (80)..(80)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (90)..(90)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (96)..(98)
 <223> n is a, c, g, or t

<400> 32
 cntgctntta cgatgcgcaa ggtagtnccg tgantttagt ccgtgatgtg tcgaaanatt 60
 agnnttncag ccngnnnnan tgccattttn gctctnnnga gaaa 104

<210> 33
 <211> 102
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (38)..(38)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (44)..(44)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (68)..(68)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (76)..(76)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (82)..(82)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (92)..(92)
 <223> n is a, c, g, or t

<400> 33
 tgggntggcc cngcttaact tttgccncg anctcgngt tcgnacaggg gcgaagnaaa 60
 ccgccaantt ttttcnaacc cnacttggtt tnggttttag tt 102

<210> 34
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(28)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (38)..(38)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (50)..(50)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (53)..(53)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (61)..(61)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (73)..(73)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (78)..(78)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (83)..(83)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (85)..(85)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (97)..(97)
 <223> n is a, c, g, or t

<400> 34
 agnagcctt tacagcttta ngatgcnnng gagagtancg gatttgncn tgntggtgga 60
 naaattaggg ttncagcntg tgnantgccca ttttcgntaa 100

<210> 35
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (21)..(22)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (65)..(65)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (67)..(68)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (70)..(70)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (77)..(77)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (83)..(83)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (92)..(92)

<223> n is a, c, g, or t

<400> 35

cacgatagca tcagacggcg nncttgngc cnttttgccc gctggtcaca ggacaacgca 60

tttcncnntn tgggtgtncgg ctntcacgca tnggcgcgag 100

<210> 36

<211> 153

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (4)..(4)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (8)..(8)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (29)..(29)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (43)..(44)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (46)..(46)

<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (84)..(84)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (98)..(98)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (115)..(115)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (117)..(118)
 <223> n is a, c, g, or t

<400> 36
 tggngccntt ttgcccgctg gtcacaggna aacgcatttc acnntntggt gttcggntnt 60
 cacgcacggc agcgagtga atgnccgatt cattcttnaa cgacgcacac acccngnngc 120
 cctgtgaaac ccataaacag tgggaaatgg tgc 153

<210> 37
 <211> 151
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (53)..(53)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (61)..(61)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (65)..(66)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (72)..(72)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (74)..(75)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (89)..(89)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (94)..(94)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (100)..(100)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (107)..(107)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (126)..(126)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (141)..(141)

<223> n is a, c, g, or t

<400> 37

gcgcgcntgn aggccccgac actagtggat ccaaagtatt ttggcacgag ctnagttcga 60

ngatnnagac cncnnatcac ctaatacanc catnactcan atgactnttt gtgcgccttt 120

tatcanatgc atagcctatc naaaacatca c 151

<210> 38

<211> 100

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (61)..(61)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (72)..(72)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (79)..(79)
 <223> n is a, c, g, or t

<400> 38
 gngcgcttgn aggccgacac taggggatcc aaagaattcg gcacgagctc gtgccgaatt 60
 ngncacgagt tnggctgcnt ctttatacaa cttttcttca 100

<210> 39
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (7)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (15)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (20)..(20)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (24)..(24)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (71)..(71)

<223> n is a, c, g, or t

<400> 39

aaagnnntn ctggnnttan gcanttaacc caggcactgg ggcgctgaac agctactcag 60

ctgcttaagt ngtcccactg gtccagacca gcgaccacgc 100

<210> 40

<211> 102

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (80)..(80)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (91)..(91)

<223> n is a, c, g, or t

<400> 40

ttccccagg atctttctta tatctatcag atctaggatga aaggattact gtcttgtagg 60

tgtcctgaag gacaagccgn ttcgtttgaa nctgtgaaat ac 102

<210> 41

<211> 325

<212> DNA

<213> Human

<400> 41

ttcggcacga ggagaagaga ggagccgtca gaacatatgg gggatgtgtt caagaagcag 60

atttgtgggtc ggaagctttg caaagagggg acctgggtct gagtgacatg cgtggccact 120

ggtgctcctg cgtttgact gtgcaggcct ctctatgct gatgcgtctc cccactcctg 180

agctaatttc tgctctgctc cttctgtgac atgtggcagc gtgggaaata gccactgtcc 240

cctgtccctg ctgttcctgg tgtcaccacag caccaggcca ctctgggagc cagggcagat 300

ggtcctccct gtggctcctg cctct 325

<210> 42

<211> 103

<212> DNA

<213> Human

<220>
 <221> misc_feature
 <222> (14)..(14)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (31)..(31)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (36)..(36)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (73)..(73)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (93)..(93)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (98)..(98)
 <223> n is a, c, g, or t

<400> 42
 gtggccaag gggactgaa ggggccctcc ntaagnggag gggttgggga gtaaggcctg 60
 ggnaggaccc tgntgactcg gggggcggga gcngggancc agg 103

<210> 43
 <211> 221
 <212> DNA
 <213> Human

<400> 43
 catattttga aatacttttc tcccaaactg gggtttattag cgtgtaccct gcttttccac 60
 tttaaaaatt tatgccatat gtccagcttc cagtcagtgc ttctggtttag catgaggata 120
 actagatttt actgtagatg gtagataaaa gtccagtga aagcaaagat gtgtaatgtt 180
 ttggtagcct cagtgtcttt atcccaagta aaagcaaagt t 221

<210> 44
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(28)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (38)..(39)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (41)..(41)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (49)..(50)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (61)..(62)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (67)..(68)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (76)..(76)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (79)..(80)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (85)..(85)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (89)..(89)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (93)..(93)
 <223> n is a, c, g, or t

<400> 44
 anagatatca ntgatttatt gctgggnncc tgtntganng ntctaaggnn tgaagattat 60
 nncattnngc aagcgnacnn gcgcngccna gcngaccagg 100

<210> 45
 <211> 106
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (33)..(34)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(48)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (68)..(68)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (73)..(73)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (77)..(77)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (88)..(88)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (95)..(96)

<223> n is a, c, g, or t

<400> 45

atatttcngg agcttgcagc ggcnacacta ggnnactaaa agaattnnag aaagaggnc 60

atnggachag nanacangaa acctgcanac ttggngctt ggaagt 106

<210> 46

<211> 100

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (74)..(74)

<223> n is a, c, g, or t

<400> 46

gatgtggaga tgcttgatag gttactgggc ggcaatccag gagttgatga agcgcatatg 60

cgaacatttc acgngcatat tgcggtgcaa gggcttactg 100

<210> 47

<211> 101

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (7)..(8)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (17)..(17)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (23)..(23)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (99)..(100)
 <223> n is a, c, g, or t

<400> 47
 cccccnncc cttcttntcc ccnaaagaat aanataagaa tngctannga gnaancgacn 60
 anggtnttan nagntatatg tatntnncaa accaantann a 101

<210> 48
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (5)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (33)..(33)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (35)..(36)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (42)..(42)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (46)..(46)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (48)..(48)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (69)..(69)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (81)..(81)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (87)..(87)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (91)..(91)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (97)..(97)
 <223> n is a, c, g, or t

<400> 48
 aaggnnaggc tcgttggggg aaaaaacccg ccntrncggg cncncgnaa acccncacna 60
 ggggacccna aaaaccggaa naaacnccc nagnaanca 100

<210> 49
 <211> 473
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (38)..(38)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (164)..(164)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (178)..(178)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (201)..(201)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (211)..(211)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (274)..(274)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (305)..(305)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (340)..(340)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (346)..(346)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (386)..(387)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (405)..(405)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (433)..(433)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (446)..(446)
 <223> n is a, c, g, or t

<400> 49
 atgagtatga aatgaaaggn tgagatgaaa tgatgatntg agatgagatg aaatgagatg 60
 aaaccgagat gaaatgatga aatgatgaga tgagaccgag acgaaatgat gagatgaaat 120
 gagatgagat aaaatgagat gaaatgaagt gaaatgaaat gaantcctga aattgacntg 180
 agatgaactg agataaaatg ntgagatgaa ntgatgagaa gaaatgagat gaaatgagat 240
 gagatgatga gatgaaaaat gctgagatga aacntgatga gatgaaatga tgagatgaat 300
 tgaantgaaa tgaaataatg aaataatgac ctgagatgan atgaantgat gaactgatga 360
 actaatgaaa tgaaaatgaa atgganntga tgagatgaga agaantgctg agatgagata 420
 aaatgagatg aantgatgag atgaantgaa atgctgagat gagatgagat gaa 473

<210> 50
 <211> 453

<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (5)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (18)..(18)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)

<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t
<220>

<221> misc_feature
 <222> (389)..(389)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (395)..(395)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (410)..(410)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (413)..(414)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (418)..(418)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (425)..(425)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (436)..(436)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (443)..(443)
 <223> n is a, c, g, or t

<400> 50	
ttccnnagct gtnacganac antcttgaat tgaaattgna cacancnngt gtgnagccct	60
gatanggccn gnaagcaatn tanaggatan ccgnangnta tngnaacaca ttncncnagc	120
ntntncanca gctgatgcag gncncctatg atgcgattan ggactacgac tatnnctcan	180
ngtctnaaca gncgcgangg ctgantacta aaagnacaca aanntgtgca ccnncatnac	240
tcncgttgac tgnacantgt agacctgnaa tacctggctn aaaggggtct nactgncatn	300
agagntgnag ntgcccctnc antagnngga gctnnaannng gcctgtnttt gntttacntc	360
ntcgganagg cgatgccatt anagaccna gaacncattg gtgatatacn ctnnaccngg	420
agggnttaca ttgggnaatg atnattatgg ggg	453

<210> 51
 <211> 542
 <212> DNA
 <213> Human

<220>
<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (470)..(470)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (472)..(472)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (478)..(478)

<223> n is a, c, g, or t

<400> 51

caactgtgag caaggaatnc cattaaatgc cattgtatat tcattgatca gtgaaatcnc 60

atctgggtca cagtggcatc tatgttnaca gtataaatcc ctgtggctat gaatgaaang 120

cttgtttaga cttgcatctg cacatagaag tagggatttc atgctgttat cagcctaatt 180

ttagcctata gaatttcaag ttngctagag gtttngctct ccatgggtata agtttagcaa 240

gaaaagtcatt ttgtctgctg ctctagcagg ttanaatgtg gaagtatagt gtgcanagtt 300

ttaatccgna tatgttatta aaacatatat atcattttat atcatacatc tagnaataaat 360

attcaaaatt aaatagtgat ttgggattga ttacatctta ttactagctg taataaatga 420

cctcnnngat ngttttaaatt tgttttcctc ncatataata aaaataacctn angcatanat 480

cgattgtcca aaaattgaat atatatacac acctcttcca ttagaactaa atatgtggaa 540

tg 542

<210> 52

<211> 733

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (13)..(14)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (17)..(17)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (20)..(20)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (22)..(22)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (27)..(27)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (29)..(29)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (31)..(31)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (36)..(36)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (43)..(43)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (46)..(46)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (58)..(59)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (74)..(74)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (78)..(78)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (81)..(81)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (85)..(85)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (87)..(88)

<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (90)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (318)..(318)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (335)..(336)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n i s a, c, g, o r t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (485)..(485)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (505)..(507)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (528)..(528)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (532)..(532)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (534)..(535)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (543)..(543)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (551)..(553)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (555)..(555)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (561)..(561)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (568)..(568)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (573)..(573)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (584)..(584)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (589)..(589)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (598)..(598)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (605)..(605)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (612)..(612)

<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (618)..(618)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (633)..(633)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (647)..(647)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (653)..(654)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (664)..(664)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (679)..(679)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (689)..(689)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (695)..(695)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (698)..(698)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (711)..(711)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (720)..(720)
 <223> n is a, c, g, or t

<400> 52
 atatgacctg cgnnacanacn cnctaanang ngactngtta aanacnttcc gtggaatnna 60
 ctcagactgc aaantgtnat nctgncnnan nntgngact gtccngncng atttnnngcn 120
 tгнаatacta ttgcctctta tatacacnac caannntgcg aagggcnann nnacctttnc 180
 cantnnnctg gggnccccacn nnnngngaact gagagtggat cttgtgtacc tgacnnacca 240

AMD0859.TXT

gntntnnagn agggcgctca ctctgattgg tgcacatgg ttacacagtg tgtgcaaaga 300
 ccngnctatc tcaactganga tgattgncag ngccnntggg tggcacnang ggnactgatg 360
 ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat 420
 aggttaccnc cttcnaccgg gcancaatct gcttctatgg tgaatgcaga ccatntagaa 480
 ntctntcnct ataggcatga ttttnnncag tgcgtcagcc ttganaanga ancnnacttt 540
 tgntagatga nnnngntgctc ncccttgngg ctnacaaatt ccancacnt tgggtggcngc 600
 agccnttaag ancacttntt ttgggttgcg ctnttgatg aattacnaat agnntgtttt 660
 gttncaggc ccttctgna aatatgaana aaagngcnct tagctttttg ngggaactgn 720
 actggaaatt ttg 733

<210> 53
 <211> 100
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (42)..(42)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (44)..(45)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (50)..(50)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (57)..(59)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (70)..(70)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (74)..(74)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (80)..(80)

<223> n is a, c, g, or t

<400> 53

gatcagacaa gancntgggtc cacagcgggg cgagagntct cnanntctgcn ggggagnnnc 60

caagtacgcn agcncctgaan ctaaagcaag caagaaaaag 100

<210> 54

<211> 515

<212> DNA

<213> Human

<400> 54

atatggcaag gataacccct atacttctgc ataatagaatt aactaaaata acttgcaagg 60

agagccaagc taaacccccg ataccgacga gtaccagaac aggtaagcac cccgtctatg 120

tagatatggg aagattatag gaggcgacaa ctaccgagcc tggatgatagc tgggtgtccaa 180

gaagagtctt agttcattta tttggcccag aaccctctaa tccccttgta atttatgtca 240

agaggaacag ctctttggac actggaaaac cgtgagagag taagatttac acccttaggg 300

gcctaatagc agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa 360

tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt 420

ataagtaacc tgaaaacatt ctctctgca taagccctgc gttggattat atcctgcact 480

gacaattaac tgccccaata tctacaatcc aaccc 515

<210> 55

<211> 176

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (5)..(5)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (32)..(32)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (40)..(40)

<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (60)..(60)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (62)..(62)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (76)..(76)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (107)..(107)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (155)..(155)
 <223> n is a, c, g, or t

<400> 55
 tgtnaggat caaattataa tattgaaata anaacagctn acatttatat agcatgtttn 60
 cntatctcaa ctaatnataa atgggaaaat gggcaactgg gcaggcngaa cccagagggg 120
 agcctgccct cattagacca agacagcaag gtttncctg gtcactagat gaaatt 176

<210> 56
 <211> 317
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<400> 56
 cagnagtgat gttgcaatat ctggaactag caaaggatac tgatgagaaa acgtggaatc 60
 atgtgggatg tgacctccta ggactcacct tgcacagctg ggtgcagcag ggataggtaa 120
 ggatttgggg tttagaggta caattgcctt tttatgggta gagaaaggct ctggggctgg 180
 agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct 240
 gcttaaaggg ctgtgtcagt tctattgtaa acaccaactt aaagtgggtgg atgctggcag 300
 acattgttat tgccatt 317

<210> 57
 <211> 209
 <212> DNA
 <213> Human

AMD0859.TXT

<400> 57
ctcatacacc tgtggctact gttttctaca gagtgccaaa actattcgag agaataggct 60
ctggactgga cactgtatac ccacatgcaa gatgaagttg gccccttaca tcctatacgc 120
aggagaattg cgtcatttaa agcctgttga cgcttttctc ccgcagacga atggaaagat 180
taattgggag tgggggctga aacaattcg 209

<210> 58
<211> 262
<212> DNA
<213> Human

<400> 58
aattttgctg ttacatggtg gctcaactga gtcccatact ttgaaggccg ggagttaatc 60
acctggtcac cgagttgcga accagcctcc aatatgtgga accctgtact ctctaaaaat 120
caaatcaccg gcatggagat tgcgcctgtg gtcccaaaaat actcgggctg ggacacgatg 180
agttgcttgg cccaaggaag gagggttgta tggctgatca cactggtccg cctgggtgac 240
agagcgagac tccatctcta at 262

<210> 59
<211> 430
<212> DNA
<213> Human

<400> 59
gtcagtttat ttctgactag ggatattttc tttccattta gaaaagaaga aaaaaaaaaa 60
aaacctttat tgtcttacag gggggaacta gcgcggggct gaataaaacc tttggccctt 120
cccgggggag ggggtatccg tttataaacc ccaaggggtat tttcttagca aaataacttaa 180
aaccggccgg ggtttttata caaactggga acccactttt gaaaaatttt ggccttttga 240
tctgggatgg gaatatgagt tttatacat ttcattttct ttttgggcaa aggcccgtt 300
aagtattccc ccccgggggg cttttacaaa aagggcggtt ttaaaagctt ttgggcccc 360
ctaggggaatt gttttaacac ctaaaaaccc ctgcttcct taaagggcg ttctttaatt 420
tgggggcggc 430

<210> 60
<211> 350
<212> DNA
<213> Human

<400> 60
aaacctctct aactatatat cacaataacc tgcgcataag atttacgctc cgatcttttc 60
atcctactag cttggaggat ttgaaccgat tatgaatacg caatactccc ggtcctcatg 120
tatcatgtgt aagcccatct cctgggaggg ctaacatact accatctcca aggagaggca 180

AMD0859.TXT

tgattccgaa	tcacccacag	acagctcgat	caccatacgt	atcacccaac	atatatacct	240
tctaagactt	gctagaaaca	accaccacat	ttgatgctta	atcaccactc	tgacgcgcat	300
taaagtgagg	ggactctcct	aattttctgta	agttgatttt	tgcatctctga		350

<210> 61
 <211> 515
 <212> DNA
 <213> Human

<400> 61						
cacataaatt	ctccataagt	taattagtg	ttttaacatg	atctcaatat	aaacatagca	60
cactttcttt	gagaattcaa	catattgcaa	gttaaaattt	tcatagacta	cacaagaaa	120
aataatcagg	caaatcctta	agaataagg	caattaagga	tgactagccc	tacaagattt	180
taaaaaggat	tcattagttt	aaaaaatgtg	atgtagatac	atgaataaaa	taaaatcttg	240
aagtagatcc	aaatatacat	ggtcagattg	aataacaata	agatggcatc	gtagcagtgg	300
agaaaagaag	aattatttca	taaaccttgt	tggaatggct	aggcaatcat	ctggaaaaaa	360
atgaagtgtg	ataataaaaa	tatatcttac	actagcacia	attataaata	aagcagtgtg	420
ttaaatgaga	aaaattaaat	cataatgatt	tcaaagataa	cataggataa	tttctttata	480
gtcttctaaa	atatatgact	ttatgaattc	tgact			515

<210> 62
 <211> 611
 <212> DNA
 <213> Human

<400> 62						
caagtacttt	accaactaag	ccaatcttgt	ccccagccag	gcattttctat	acaaagggcc	60
aagacttttg	ttttataaat	aaggaggtat	atataaatta	tatatatttc	tgagctgagt	120
aataatccac	cagatacaag	tttgcacaa	cttctgtgaa	atattttttt	tcctttttgt	180
tgggcatttt	tatggtctaa	atatagaatg	accaatgcct	ctagaacaaa	cttgacctgg	240
tcagtgttat	caagaagcag	actgtttctt	actttctttg	tatttcctta	cttattttaa	300
tttgttaaaa	ttgatataat	gatataataa	acttcttttg	ccagtgttgg	tggcacacgc	360
ctttaatccc	agcacttagg	aggcagaggc	aggggtggatt	tctgaatttg	agggcaggct	420
agtctacaga	gcaagttcca	ggtcagccaa	ggctatatat	agaaactctg	gcatgaaaaa	480
ccaaccaaac	caaaccaaac	caaaccagac	cagaccagac	cagaccagac	caaaccaaac	540
caaaccagac	taaaccaaac	caaaccagac	cagaccagac	cagaccagac	cagaccagac	600
cagaccaaac	t					611

<210> 63
 <211> 291

AMD0859.TXT

<212> DNA

<213> Human

<400> 63

```

ccgagagatt ggccactgct taaactcatg cagctcctac tgttcttcaa ttaatgcctt    60
taatgcgaat atacttcctc ttctttttgc atggctcttg ccagcctctg caatactgat    120
gaacacatgc tgaagatcat ctaactcaat atggcgcata tttctatgtc ttgctgcca    180
ggacatagga caacttcgtc gtcactagt tctaacatat taatgctggc gtaggtggag    240
aactactgca catatactct tactcggagg ctgaggcacg aggatcactt g            291

```

<210> 64

<211> 309

<212> DNA

<213> Human

<400> 64

```

gccagatgcc gtgtttcctc gatgaactct ttacatcatt ggctattcag tggagtgttt    60
cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca    120
tatatttcaa atgtcttgct aacagtgggt actttgctct atccttagct atacgtctcg    180
aggcacattg ttcctctatg ccccgctacg ctttgcccta gagctcggcg gtatctatat    240
cttaactgcc ctcttgatcc ttacgtgccg gagaagggtg aggcagaaat tttgtcaaat    300
ctgattaga                                309

```

<210> 65

<211> 278

<212> DNA

<213> Human

<400> 65

```

tagaatggaa tggagtcgaa tgtgatggaa tggacgcgaa tggaatggaa tggactcgaa    60
tggaataaag tggaatagac tcgaatggaa tggaatgcaa tggaatggac tcgaatggaa    120
agggatggaa tggactcgaa gggaatggaa tggaatggat tcgaatggaa aggaatggaa    180
tggactcaaa aggaatggaa tggaatggac tcaaatggaa tggactcgaa ttgaatgaaa    240
tgtaatggaa tagactcgaa tggaatggaa cgaaattt                                278

```

<210> 66

<211> 142

<212> DNA

<213> Human

<400> 66

```

agttctcctt aggttaatta atggaatgca atcccaatga aaatgtcacc aaagttgttt    60
tttttttaac tgtaggaggt ttataataat gctcatatgg aaaaataaaa catgtaaaaa    120
atagctagta aactccccct gt                                                142

```

AMD0859.TXT

<210> 67
<211> 286
<212> DNA
<213> Human

<400> 67
atatctgcc a tcctcatcgg ccaatcgtgt tattttgatg acgaatgctt cggagattgg 60
aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgtg 120
attattttcc caacaaattg gcattcatag atagaataag ctgactaaga ctacttagcc 180
ccacattttt ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc 240
caaagctcca tttccttgaa agcagaagtg taatattact tcttag 286

<210> 68
<211> 179
<212> DNA
<213> Human

<400> 68
atctactttt tatttcttttg ataaatgttt atgaaatata aaatactgaa aattagaaa 60
tagaagtcac tattttatta taaaacatgt ggattagata ttttcattta tgtgattaaa 120
ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaaatt 179

<210> 69
<211> 390
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<400> 69
cagataagac tattaagaca gataagagcc aaatcatgta gagcctcaga ggtttttgat 60
cttcagtcta agaacgtaaa tccatggaag aattttaagc aggggtgtgc cttgaccaca 120
ttttgaattc taaactgtct ctgggtgggt gtgggtgcc ccaagagcat gtgttcatgt 180
agggagactg gttttttaca gttgtctatg agagagatga cagttgcctg gattatgggtg 240
gtgacattgg agataagcag gtagacagat tctcagtgtg ttaggagaga aaaatcaata 300
ggaaatttaa aataaataat taactgtggc cataggagga aggagtcttt gggttnggtt 360
ctcaatttct gcatgagaaa aaaggtggac 390

<210> 70
<211> 481
<212> DNA
<213> Human

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

<400> 70
 atgatgaaat gatgagatga aatgcntgag atgagatgtg atgaaatgat gatatgaaat 60
 gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga 120
 tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaatga tgagatgatg 180
 agatgaatga tgaaatgaaa tgatgagatg agatgatgaa atgaaatggt gagatgaaat 240
 gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat 300
 gatgagatga tgaaattgat gaaatgatga gatgtgatga gatgaaatga tgagatgaga 360
 tgagatgaca tgaaataatg aaatgaaatt gaaatgagat aagatacgag ctgagatgca 420
 atgagatgaa atgatgagat gaaatgaaat agtgaaatga aattgaaata aaatcgaaat 480
 g 481

<210> 71
 <211> 125
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (38)..(38)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (42)..(42)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (45)..(45)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (49)..(49)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (61)..(61)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (77)..(77)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (79)..(79)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (90)..(90)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (100)..(100)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (110)..(110)
 <223> n is a, c, g, or t

<400> 71
 cggtngcaat tggggggccnc atacgcgcng acgagtantg gncangctnc ttgactacac 60
 ngacgcgccg tacaggntna attatgggna cttacatggg aaagggggcan ctcaatgtcc 120
 cacag 125

<210> 72
 <211> 473
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (151)..(151)
 <223> n is a, c, g, or t

<400> 72
 gaaatgaaat aatgaaatga gatgaaataa cgaaataaaa ttgaaatgag atgagaggaa 60
 atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tgatgagatg 120

AMD0859.TXT

aaatgaatct gagatgaaat gagatgaaaa ntgatacgaa aaatgatata aaaaatatga	180
cctgagatga aatgagatga aaaatgatac gaaaaatgat ataaaaaata tgacatgaaa	240
tgaaatgaga tgatatgaaa tgacataatg aaatgatgaa ttgatgatat tgaaatgaaa	300
ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga	360
catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga	420
tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga	473

<210> 73
 <211> 500
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (233)..(233)
 <223> n is a, c, g, or t

<400> 73	
aatgagnatg aaaagnatga aatgatgaga tgaaatgaaa tgatgagatg aaatgaggtg	60
aaatgaaatt agatgaaatg taatgagatg aaatgaaatg acctaataa atgaaataat	120
gaaatgagat gaaataaaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa	180
tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga ganaaaatga	240
gatgaaatga tgagatgaga tgaaatatga tgagttgaaa tgacataatg aatgaaatga	300
tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga	360
aatgatgaaa tgatgagatg aaatgatgaa atgaaataat gaaatgagat gaaataaaaat	420
aatgaaatga tgaaataatg aaatgaaaat gaaatggaaa tgatgagatg agaagaaatg	480
atgagatgaa atgatgaaat	500

<210> 74
 <211> 299
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (31)..(32)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (57)..(57)

<223> n is a, c, g, or t

<400> 74

ggaaatcctg aagtggaaat gatgagctga nntgcaatga gttgaaatga gatgaancga 60

tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga 120

cataaaatga gatgaaatga gatgtaatga tggaaatgaga tgagatgaaa tgagatgaaa 180

tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg 240

aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg 299

<210> 75

<211> 155

<212> DNA

<213> Human

<400> 75

agtgaaatga aattgaaata aaatcgaaat gagatgagat gaaatgatga gatgatgaaa 60

taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga 120

tgagatgaca tgaaataatg aaacgaaatt gaaat 155

<210> 76

<211> 367

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (11)..(11)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (35)..(35)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (37)..(38)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (43)..(43)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (56)..(56)

<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (67)..(67)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (75)..(75)
 <223> n is a, c, g, or t

<400> 76
 atagcaaaag ngggtaaaac ccctgagttt gcganannag tantcttgta ggggcnaact 60
 ctacttnaga ngaantcctc gcaaaatcct tgaatcaccg cttcagtga gtgatatcac 120
 cgccatgaaa tttctgctcg attagcttac gttgtttgga tagaggccaa acaaggctgt 180
 tatcggtagc aggaatggat gttcgatttc gtagaatacg cctgagagac ggcgaatact 240
 ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga 300
 aaatatgagg ggtggcaagg ttttgcctgt tacatttctca aatggaagca aattagatat 360
 gtcattg 367

<210> 77
 <211> 257
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<400> 77
 actagnacag naatttttagc taagtggagt ttgagttaag tggagatgtg agaccatctc 60
 atagaaatca ttattttctgt gggatggata attgggccaa attgtaaaat attttaacta 120
 tcagtgtttg gggtttattt ttaaaagaat aggggtgccac cagatgttct ttagtggagg 180
 agaaatgagg ccagagtgaac tgcctagaaa attaagttgg taaattaatc acttttttct 240
 aggtcctttc ttagtct 257

<210> 78
 <211> 373
 <212> DNA
 <213> Human

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (24)..(24)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (146)..(146)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (153)..(153)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (166)..(166)
 <223> n is a, c, g, or t

<400> 78
 ctttaaaaaac ntggttagacn aacnttaaaa nttaccnntt ttcctgaact gantcctggg 60
 nntaantaaa aaggggtgaag aannttactt cncttggtcc taaaaaacnt tttcntcagt 120
 tattaccaaa atatttggac cattantaaa gantagggcc aaccnaatt tttcttgaaa 180
 tttccggtta atagccgtta aatgttttta cccatttcat attggatacc ttaaattata 240
 ataatggatt ttattgttaa attgtgtgtg tgtgggtgtg atgccctgtc ttttctcctc 300
 taccattatt gtcactttat gtttgaacc ccctttacc ttccttaaag gaaaaaaagg 360
 gcccgggggtt ttt 373

<210> 79
 <211> 128
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (29)..(30)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (35)..(35)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (49)..(49)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (92)..(92)

<223> n is a, c, g, or t

<400> 79

tcctagtaan ctgggtttacn ctgaaagann aagangcctc ccctgttcnc tgaaatacca 60

ccttgatggt caagtattta agaccctatg cnaatatattt ttaccttttc taataaacca 120

tgtttggt 128

<210> 80

<211> 213

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (9)..(9)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (88)..(88)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (98)..(98)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (105)..(105)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (107)..(107)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (127)..(127)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (142)..(142)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (147)..(147)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (161)..(161)

<223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (166)..(167)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (171)..(171)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (180)..(180)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (196)..(196)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (206)..(206)
 <223> n is a, c, g, or t

<400> 80
 cccattggna cagaccccca aaatgggtac atttttttagg aaaccaggac ctttccaagg 60
 ggccaggcct tcccttttaa aaaaaatnac cgtttttngg gggangnaac ctttaaaagg 120
 ggaaaaanaaa tccttttttaa anggaantcc aagggaagga ncctgnncaa nacttccccc 180
 ccaataaaaa aaaccntttt ggaaangggg aaa 213

<210> 81
 <211> 443
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (33)..(34)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (39)..(39)
 <223> n is a, c, g, or t

<400> 81
 gaaatgagat gaaaccatga gnatgaaatg aannaatgnc atgcaaata tgagatgaaa 60
 tgatgaaatg agatgagatg agaagaaatg acttgatgag atgagataaa atgatgaaat 120
 gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg 180
 aaatgagaag aaatgagatg aaatgatgaa atgatgagat gagatgaaaa atgatgggat 240

AMD0859.TXT

gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa	300
tgaattgata atattgaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa	360
tgaaatgttg aaatgaaatg aagagatgta acatgaaatg agctgaaatg atgagatgaa	420
atgaaatgaa atgagattaa atg	443

<210> 82
 <211> 442
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (33)..(33)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (46)..(47)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (78)..(78)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (82)..(83)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (121)..(121)
 <223> n is a, c, g, or t

<400> 82 tggcccggga acntcnaact gccatcctg ganttttggg ggggannctt taaaaaacct	60
gacctctgaa tgtattantg anncaagtga tagccaagat attttgaaga aaaatagata	120
ntagggacct gctctataag cccatcataa tttattatga agttataaca agtaaaacag	180
taaggatattt ggcattggaat agagaaccca gaaacagacc caatgcatgg gtacaggata	240
taacacaggg aaatgagggg caatatatgg ttctggggata attatttata tgggggaaaat	300
aaagaaattg gatccctacc tcacacatac aaaaaaaatc ataattgaat taaaaacttg	360

AMD0859.TXT

catgtgaaag gaaagacttt aaaacattta gaaaaagtat tggaggctat gatcttgggg 420
taggaaagca tttctttttt tt 442

<210> 83
<211> 135
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<400> 83
gtctaacnta aaaagtaaag aaagtaaagt aaaggnttga aggaaggaag gaaggaagga 60
aggagggaaa agaaagaaag gaaggaagga aggaaaagaa agaaagaaag gaaggaagga 120
aggaaggaag gaagg 135

<210> 84
<211> 346
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 84
ggaggaggaa gagtgatgag ttctctaata acttggttgg attagcctta gagttatcgg 60
gagttgcctt ctgtaagtgc ccctactatc aaggtttcat ggaaaatcta ggcaaggcag 120
aacttcctca gaaggacaag agacaaagaa gtgggggagg ccctcctatc catagctgag 180
agggtttatt ctttgtggtt ctgctgtcag agcctttgga tgtctgatct gagatggagc 240
aaccccagct agacagaact ttgtagatct tgggggggtt aaaaggcctc aagcaaattc 300
taaaactttc tttgaacccc ctggcatagg ctgagtttcc ctgact 346

<210> 85
<211> 100
<212> DNA
<213> Human

<400> 85
acaaaaagcc cttttaaaact tgggcccgtc cgaggctcgtt tcgactgggc cgagacttcc 60

gaaaagaaaa tggttttttt tgccgaaatc aaccgggtaa 100

<210> 86
 <211> 201
 <212> DNA
 <213> Human

<400> 86
 ttcataacat cgtcattttg ggttatgcga aatacaaatt taaatctttg tgaaatgaaa 60
 gaaaagagga agaaacgctt tttaggagtt aaggattaaa gtaaaaatta ttttgacata 120
 attacctctt tttgtgacca ctcttaaagg ccaggaacat atttggagaa gcctagttgt 180
 atgtaacagt gtgggggtttc a 201

<210> 87
 <211> 531
 <212> DNA
 <213> Human

<400> 87
 tatagcgggc gttataaaca taccacttcc cggtagaacg gatttcaagg ttaggggtgc 60
 aaccagaac gaacgcgtta agtgcgcgtt atcttcctag gatagagtcg gtgacgggaa 120
 tcttttacct cggcactcgg gtccaccctc gcggcaccag aggtattctc cggcgagtcg 180
 ttaaccatcg caatcgccga ccgagttaa ggaccactcc ccacctttct cattagttaa 240
 ggagaacgct actttacccc atagacggag aaatcgctac tcaactacca ggcgcgcgcc 300
 gtcgagtcct tcttcctctc tttatgcatt tagagcgctt tcgtaagagt tttccctaga 360
 ttcttctaag cgtagcgcgt ctactccaat gttttcgta atccagcccg aactaacgcc 420
 gcggaggagt cgatccgtct actcctatcc cgtcggctcg gatttactac aggagctaag 480
 aaaacaaaaa gtaccagccc taaaggaaag tcaaaggacg cccgtaaaaa a 531

<210> 88
 <211> 530
 <212> DNA
 <213> Human

<400> 88
 aatctcgatc gcaaacatac ggcaactctcc ctcttgccgc ggttttcgtc cagcgctttc 60
 cattcgggtcc agtgcctcgc cctattagcc cttagccca ccgtttctaa aactcccaga 120
 acagccaaac cgggtccgcc aaggcctccg tcgttttata atatattccg tttacgtata 180
 aggaacgaac cccctttcat taccacgggtc ccgcgtccgc ctctttctcc attcgcaaca 240
 gttctattcc tttcagcctc ccgtacctgc ttccagaaca tcgcaccgcc atagtcgaaa 300
 gatagcaaag attaccagc ttctattcct cgccccagag ccgagtaaatt cgaagtttat 360
 agaggcggaa tccaaccatt caagagttat aacaagttat cggcactcgg gggatcagaa 420

tataaactta atgtccccctt tattctcccg gacgccccctt ttaaccactt cttcctatct 480
 ttcgctaaca agccattgac ggcgcctttgc cgcgcggggcc catctcgcgt 530

<210> 89
 <211> 332
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (108)..(108)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (112)..(112)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (129)..(129)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (134)..(134)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (152)..(152)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (168)..(168)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (196)..(196)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (239)..(239)
 <223> n is a, c, g, or t

<400> 89
 ccatttatgg gccggggata taccacatg gtacagnaca ttacatnttt atggcaccat 60

AMD0859.TXT

ttccaccggc ctggtttttg tttttccata attaatatac caggggggncc anttaaaaaa	120
aattaaggna aggnnttaaaa aatttaacca angggggggtt taaagggntt ttttttttta	180
aaaaaaaaagg ttaaancccc cccttttttt ttgggttggg gtgggaaaat tttgggaanc	240
cttaaccccc gggttttttg gtttttttg ccaaaacccc ccggaaaaaa attaaaaaaa	300
ggaccgggtt ccattttaat gggatttggg aa	332

<210> 90
 <211> 185
 <212> DNA
 <213> Human

<400> 90 actgctataa tgcaggggaa catgttctca gggtcacct gaggggttgt gtcattgggc	60
cggtggtaac tattaaaaca taagttaaat cggtatttaa aattttaaaa tcaaaaaaaaa	120
taaaatatat gcaaccctcc attccaagga agtatgatgt tactagatta tctgaaaatt	180
ctcct	185

<210> 91
 <211> 365
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (326)..(326)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (338)..(339)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (344)..(344)
 <223> n is a, c, g, or t

<400> 91 ccagagagcc acaaatgacc aaaatatttt gagatgaaca tgctcgtaga aggtagctga	60
ctagggggta cttgaaaatg ctagaccagg ataactccta agtgtatatc cttggcagac	120
tcgttatgct ttccaatcct gcttgcaata taagacacaa agtcagaata aagctcaaga	180
aaacagaacg tgcaggccat caagcgcaga gcctgctcat tggacaaccg caaagagtag	240
taagtgctgc cgctattcac acttagaaaa ggagaaccac ggggaaaaac caaattaatg	300
gggctgcttt ttgtcactct ggcattagag aattgtgnng aaantttaac ttttgtaagc	360
ttgta	365

<210> 92
 <211> 113
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<400> 92
 acttgacctt atggatgatg ctgcggagtg cntngtaagt gtttcatgat attccttaag 60
 aagtcaggat agtagttttc attccttaga tgggtacaagt gttgagacaa atg 113

<210> 93
 <211> 210
 <212> DNA
 <213> Human

<400> 93
 gttttaggga aatttgccag ttttatgttt taatatTTTT ggaaggaaaa ctgaaaggta 60
 atgaaaatgt tactgttgga ttaaaaaaca aattaagtcc aaatagtgat taggcaagtt 120
 ggtgaggtag gggggttgctg caagagcgga agttgaaaga tcttggaaaa attaaagaaa 180
 cttcatagaa ccccatctct acaccaaaaa 210

<210> 94
 <211> 506
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (38)..(39)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (44)..(44)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)

<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (440)..(440)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (442)..(443)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (453)..(453)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (455)..(456)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (473)..(474)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (477)..(477)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (481)..(481)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (487)..(488)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (495)..(497)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (500)..(500)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (502)..(502)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (506)..(506)
 <223> n is a, c, g, or t

<400> 94
 ttgngggggg ggcgagatcc tactngagac ccttgatnnt gggnganggac cgaagatcna

AMD0859.TXT

ttaganaccn atgngatggn cnnncnaaaan nnttaaagtg agagtccatc tnngaanaaaa	120
atgggnaant ttnnnngggg ggggggaaaa ancccnnggg tnannggggg cccngggntt	180
naaannggn nctngggggg ggaaantttt ggcccccccc cgggggnttt ncctnaaaaa	240
aaanccnttt naaanacngn nanaattttt ccnnnncggg gagngngnga nntttttttt	300
tnaannagcc ntttttgna naaaaaannt ggnccccccc ctattccnng gnttttngga	360
ccnttnnanc ntgggnnttt ttagnccttn aaaaaaangc naatnttaag gtaaaaaatn	420
ggggggggng gggggnggn gnnttttttt ttntnnggag gggttttttt ccnncgnggg	480
ngaaagnntg gggcnnnctn cngccn	506

<210> 95
 <211> 400
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (48)..(48)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (51)..(51)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (80)..(80)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (83)..(83)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (324)..(324)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (326)..(326)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (341)..(341)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (348)..(348)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (350)..(350)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (354)..(355)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (367)..(367)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (383)..(384)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (391)..(391)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (398)..(398)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (400)..(400)

<223> n is a, c, g, or t

<400> 95

catgaaggaa naagcctgta ctanctgccg gtatccatgn taatctgngg ngatgtcagc 60

agaccagct naggagatan ctncatttct ntctnaagnc ctttgggtctg naggngnca 120

ntnnanctnc ngntnaacat cacagctnct ccnagcatca ccctgctagn tancngnggg 180

AMD0859.TXT

ttttctctta tntgnngncn naacatctgc nngctctgnt annaanaatt ncataccgc	240
canngtctnt gacngtgga tgcatacgt tgggcagagn gancaatang tgngcatatg	300
cgtgccttac ncaaggatac ggangngctt gaaattgatg ngaccaanan tttnggtacg	360
gtaagtnacc caaccacttc tgnnttcact ntaagagncn	400

<210> 96
 <211> 800
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (171)..(171)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (622)..(622)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (628)..(628)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (642)..(642)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (661)..(661)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (668)..(668)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (694)..(694)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (709)..(710)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (735)..(735)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (751)..(752)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (763)..(763)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (778)..(778)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (782)..(782)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (786)..(786)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (788)..(788)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (798)..(798)
 <223> n is a, c, g, or t

<400> 96	
gagatgaaatg atgaaatgat gagatgagat gatgaaatga aatggtgaga tgaactgatg	60
aaatgaaatg aaataatgaa atgaaattga aataaaaattg aaatgagatg agatgaaatg	120
atgagatgat gaaataaaat gatgaaatga gatgtgatga gatgaaatga ngagatgaaa	180
tgatgagatg agatgacatg aaataaaatga aataatgaaa tcgaaatgag atgagaagat	240
acgagatgag atgaaatgat gagatgaaat gatgaaatga gataagatga aaagagttga	300
tgagatgatg agatgaaatg agatgaaaag agatgaaatg agatgaaatg aaatgatgag	360
atgaaatgag gtgaaatgaa attagatgaa acgtaatgag atgaaatgac ataatgaaat	420
gaaaaaatga aatgaaataa tgaaatgagg tgaaattaaa tgagatgatg aaattaaatg	480
atgaaatgaa ataatgaaat ggaaatgaaa tggaaatgat gagatgaatg atgagatgaa	540
atgatgagat gagatgtatt gatgagagga aatgatgaga tgtaatgaaa tgagatgaaa	600
tgaatgagat gaaatggaat antggaangg aaattgattg gngatttgag atgaaatgag	660
ntaaatgnga tgaattaatg atgagatgaa atgntgaatg ccggggtggn tgagatgaat	720
tgagttgaac cctgngatga atgaagattg nntgaatggt ggntgaatgt tgaatggntg	780
gntgggnanaa tgcctgtngg	800

AMD0859.TXT

<210> 97
<211> 334
<212> DNA
<213> Human

<400> 97
gatgaattga aatgaaatga aataatgaaa taatgaaatg agatgaaatg aaaagaaatg 60
atgaaatgat attgaaatga aattgaaaga tgagatgatg agatgaaatg gtgaaatgtt 120
gaaatgaaat gatgaaatga atagatgtga catgaaatga gctgaaatga tgagatcaaa 180
tgaaatgaaa tgagattaaa tgatgagatg aaaactgatg aaaacttaaa tgatgaaata 240
atgaaatgaa aatgaaatgg aaatgatgag atgagaagaa atgatgagat gagatgagat 300
aaaatgagat gaaatgatga gatgaaatga tgag 334

<210> 98
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<400> 98
ttcaggccgt ctgcttntac atatactatc gagaatgggtg ctgtgcactc ataacaccgt 60
tgcttggtag acgcttttga acccttcagc gctgaaagta 100

<210> 99
<211> 500
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 99
cccgggantt cggcccttat ggcccgggga aatgatgaga tgaaatgatg aaatgagata 60
agatgaaaag agttgatgag atgatgagat gaaatgagat gaaaagagat gaaatgagat 120
gaaatgaaat gatgagatga aatgagggtga aatgaaatta gatgaaacgt aatgagatga 180
aatgacctaa tgaaatgaaa aaatgaaatg aaataatgaa atgagggtgaa attaaatgag 240
atgatgaaat taaatgatga aatgaaataa tgaaatggaa atgaaatgga aatgatgaga 300

AMD0859.TXT

tgaatgatga gatgaaatga tgagatgaga tctaattgatg agaggagatg atgagatgaa	360
ntgagatgaa aagagatgaa atgagatgaa accgaaatga tgagatgaaa tgagggtgaaa	420
tgaaattaga tgaaacgtaa tgagatgaaa tgacataatg aaatgaaaaa atgaaatgaa	480
ataatgaaat gaggtgaaat	500

<210> 100
 <211> 397
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (39)..(39)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (50)..(50)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (56)..(56)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(72)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (97)..(97)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (110)..(110)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (177)..(177)
 <223> n is a, c, g, or t

<400> 100 cccgggagt ttaagttagg gggcctgccc cttaagcnt agtcccacn tgaaanacac	60
tccccttgaa nntctctaaa ccttaacttt ctggcncntt tgtttcagan atgcctaacc	120
ctcaggggggt cttttgttct ctacgcctaa aaacttaatc tgtttggaac aattccnttt	180
cctctctgta gaaattgacc tggccatggc tcctgtgaat gatacggttg ctattatccc	240

AMD0859.TXT

tgaacactgt aaaaatgaac tttgaaacag ttgggtagga cccaaacaga aaatgatgta 300
 tggccttgaa atagtttagc tgaacattat gctttaatat tttactggcc attgcagcac 360
 aggttttagaa atttatgttc ggcttttttaa agtttta 397

<210> 101
 <211> 132
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (121)..(121)
 <223> n is a, c, g, or t

<400> 101
 gttacctaatt gttttactct cattttcttt ttctttatct ttcatttgta aaataggaac 60
 attaatgta ctactttcaa aagaattaat tgaagaaaga gagatacagg gtatctaggc 120
 ngaggaagac cc 132

<210> 102
 <211> 246
 <212> DNA
 <213> Human

<400> 102
 gggggcttta gttataactg ggctaagcat aattgcgcta ccaattccat attatctcat 60
 ggcacttaatt tttataattg atatatataa taaaaaattc aatgcagata ttgatataat 120
 aaaaatagat aatggtaatc caagcacgat ggtagccatc actctaattg ctttgggggtt 180
 aacctataac ttattaagta aagtgccaga atgggttcttt gacagtatta aaattaaaga 240
 aaacag 246

<210> 103
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> forward primer of exon 1 of insulin gene used for quantitative RT-PCR analysis

<220>
 <221> primer_bind
 <222> (1)..(18)

<400> 103
 gccctctggg gacctgac 18

<210> 104

<211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> reverse primer of exons 1 and 2 of insulin gene used for
 quantitative RT-PCR analysis

<220>
 <221> primer_bind
 <222> (1)..(18)

<400> 104
 cccacctgca ggtcctct

18

<210> 105
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> forward primer of β MyHC gene used for quantitative RT-PCR
 analysis

<220>
 <221> primer_bind
 <222> (1)..(24)

<400> 105
 gctggaacgt agagactccc tgct

24

<210> 106
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> reverse primer of β MyHC gene used for quantitative RT-PCR
 analysis

<220>
 <221> primer_bind
 <222> (1)..(24)

<400> 106
 ggatccttcc agatcatcca ctg

24

<210> 107
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> forward primer of ANF used for quantitative RT-PCR analysis

<220>

<221> primer_bind
<222> (1)..(20)

<400> 107
ggatttcaag aatttgctgg

20

<210> 108
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> reverse primer of ANF used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(20)

<400> 108
gcagatcgat cagaggagtc

20

<210> 109
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> forward primer of APP used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(20)

<400> 109
ggatgcttca tgtgaacgtg

20

<210> 110
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> reverse primer of APP used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(19)

<400> 110
tcattcacac cagcacatg

19

<210> 111
<211> 21
<212> DNA
<213> Artificial Sequence

AMD0859.TXT

<220>
 <223> forward primer of ZFP used for quantitative RT-PCR analysis

<220>
 <221> primer_bind
 <222> (1)..(21)

<400> 111
 cacargagrc arggtcaacg a 21

<210> 112
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> reverse primer of ZFP used for quantitative RT-PCR analysis

<220>
 <221> primer_bind
 <222> (1)..(22)

<400> 112
 ggattaaaat gaagcaccca ga 22